

One-Step Equations

1) $2x = 20$, $x = 10$

2) $4x = 16$, $x = 4$

3) $8x = 24$, $x = 3$

4) $6x = 30$, $x = 5$

5) $X + 5 = 8$, $x = 3$

6) $X - 1 = 5$, $x = 6$

7) $X - 8 = 3$, $x = 5$

8) $X + 6 = 12$, $x = 6$

9) $X - 2 = 17$, $x = 19$

10) $8 = 12 + x$, $x = -4$

11) $X - 5 = 4$, $x = 9$

12) $2 - x = -12$, $x = -14$

13) $16 = -4 + x$, $x = 20$

14) $X - 4 = -25$, $x = -21$

15) $X + 12 = -9$, $x = -21$

16) $14 = 18 - x$, $x = 32$

17) $2 + x = -14$, $x = -16$

18) $X - 5 = 15$, $x = 20$

19) $25 = x - 5$, $x = 30$

20) $X - 3 = -12$, $x = -9$

21) $X - 12 = 12$, $x = 24$

Commented [1]: Overall, Good work!

Commented [2]: Recheck your answer.

Commented [3]: Recheck your answer. You need to subtract 18 from both sides to isolate your x value. Then, divide both sides by -1 to convert your -x to a positive x. See the illustration below.

$$22) X - 12 = -25, x = -13$$

$$23) X - 13 = 32, x = 45$$

$$24) -55 = x - 18, x = -37$$

$$25) X - 12 = 18, x = 30$$

$$26) 20 = 5x, x = 4$$

$$27) X - 30 = 20, x = 50$$

$$28) X - 12 = 32, x = 44$$

$$29) 36 - x = 3, x = 33$$

$$30) X - 14 = 14, x = 28$$

$$31) 19 - x = -15, x = 34$$

$$32) X - 19 = -35, x = -16$$

ILLUSTRATION FOR HOW TO SOLVE PROBLEM #16

$$\begin{array}{r} 14 = 18 - x \\ -18 = -18 \\ \hline -4 = -x \\ \frac{-1}{-1} \quad \frac{-1}{-1} \\ \hline 4 = x \end{array}$$

32)

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